



Alemmlube

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Greasing Equipment Drum Pumps Hose Reels Vehicle Hoists Wheel Service Equipment Lubrication Systems



Introduction

Alemlube has many years experience in the automotive industry specialising in workshop design, workshop fitout, equipment supply and equipment installation.

Following extensive consultation with you, the Alemlube team will design your new workshop maximising the available space and resulting in a practical, functional and efficient solution.

Furthermore, Alemlube will assist the Architect to ensure that all requirements are met in relation to power specifications and suitable locations for all relevant vehicle hoist, compressors and general workshop equipment.

Alemlube provides successful dealer principles and workshop managers with cost effective solutions to their workshop fitout requirements, no matter what size or level of infrastructure. The complete workshop is what we do best. You can trust the design, supply of equipment, installation and commissioning of your workshop equipment to the dedicated team of experts at Alemlube.

Design

The design and planning stage begins with a complete overview of the final architectural drawings.

Consultation then takes place with all personnel involved in the operation of the service workshop facility. We come away with an understanding of the direction that needs to be followed to produce the required solution.

The layout plan of the facility now proceeds specifying the location of vehicle hoists, required services such as oil reticulation, compressed air supply, water supply and waste oil services.

All specific measurements will be noted in relation to locations of equipment, such as vehicle hoists, to enable the accurate documentation of power and other operational service needs.

The design gives you the client, a visual impression of the form that the service workshop will take after considering all aspects desired to provide the optimal result in the space available. Additionally, we can provide a CAD drawing giving a more full perspective of the layout.

The completed layout plan is effectively a working drawing to hand over to the builder, electrician, plumber etc. And, the plan indicates to you exactly what Alemlube will be proposing in a tender for the service workshop fitout.



Equipment

Accessing an extensive range of automotive workshop equipment from the world's foremost manufacturers, Alemlube can supply and install all necessary equipment and components in addition to customised manufacturing, including:

- All air, oil, and water supply lines regardless of size and scope, and incorporate a quality range of fluid handling equipment, for example air operated lube pumps, hose reels and electronic oil meters.
- Australian compliant vehicle hoists, 2 post, 4 post and scissor
- An impressive range of tyre changers, wheel balancers and wheel aligners
- Exhaust extraction equipment to service any situation from a single bay workshop to a multi-bay automotive dealership
- Bulk waste and new oil storage requirements manufactured to suit your specific space and volume considerations
- Workshop benches, manufactured to any specification to suit your needs and available in your corporate colour
- Waste oil drainers/extractors
- Exchangers for ATF, coolant and air conditioning fluid rechargers
- Spill containment equipment



Installation

Pump Room

A rational way of organising the oil and grease storage and distribution is to design a pump room for the storage of drums and tanks. This helps to improve the working environment, avoids lubricant contamination and minimises the risk of fire hazards.

This room can also house the air compressor. Pumps can be mounted directly onto drums or tanks or fixed on the wall. When fixed on the wall, pumps must be connected by an adequate suction element. Which ever way, a shut off valve must be used between the pump outlet hose and the fluid distribution line in addition to an air pressure regulator with filter at each pump air inlet. The pump type and its pressure ratio will depend on the fluid distribution line length and diameter, the fluid viscosity, the number of outlets and the flow requirements. The waste oil storage tank could also be housed in the pump room and will require a discharge output as well as the required means of discharging the waste. Mobile waste oil drainers will assist in this process.



Lubricant Usage Control

In order to keep control of each transaction, and to limit access of usage to authorised personnel only, an oil monitoring system can be installed. Through an access keypad, authorised personnel can use every dispensing outlet and all the data relating to each usage (name of user, amount and type of lubricant used, time and date of the transaction, etc.) is stored and can be retrieved as an information report. This system can also be utilised to keep an inventory control of the different lubricants stored in the pump room, setting alarms when any of the lubricants have reached a minimum level and entered into the reorder level.

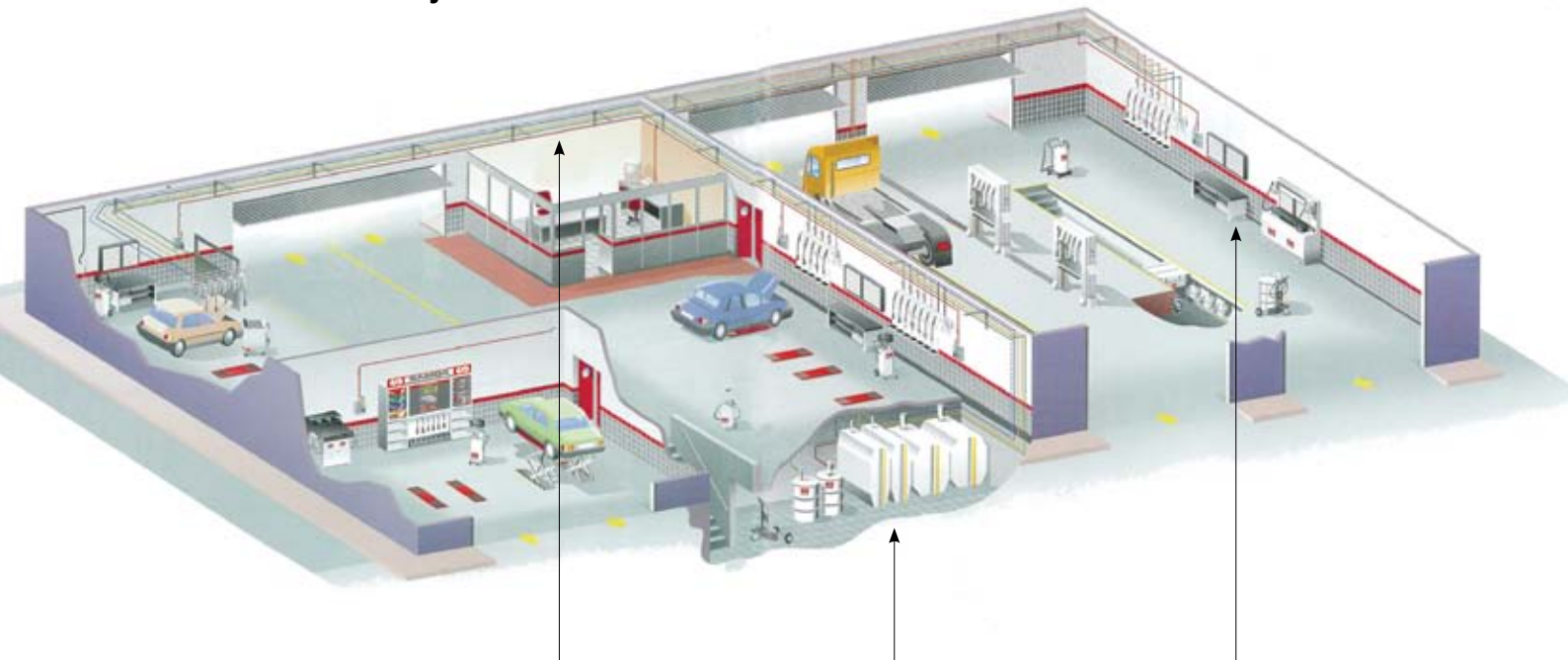


Working Area

A dedicated hose reel must be used for each type of fluid, motor oil, gear oil, compressed air, grease, water, etc. A suitable control valve is then connected to each hose end. In the case of lubricants, control valves include a volumetric meter with partial register for controlling the volume of oil delivered at each service and a totaliser to indicate the total volume of oil dispensed. Hose reels can be floor, wall or ceiling mounted and can also be installed within lubrication pits, for easy access to greasing points and gear oil fills. A shut off valve must be installed between every hose reel inlet hose and the fluid distribution line. Other equipment to consider in the working area are mobile waste oil drainers and mobile units for the distribution of grease and lesser used lubricants.



General Installation Layout



Supply and installation of all **Service Pipe Systems**

- Compressed air
- Oil delivery
- Water
- Waste oil

Supply and installation of **Bulk Oil Storage Tanks**

- Single or twin skinned
- Any volume and size required

Supply and installation of **Custom Built Workbenches**

- Design, size and colour to suit your corporate ID



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